

Mountain Valley Pipeline, LLC

v.

Easements to Construct, etc., et al.

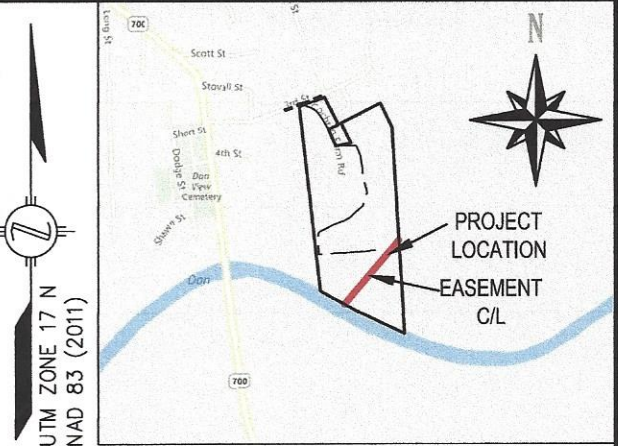
Exhibit 47 to Complaint

Map of MVP Parcel No. NC-RO-011.000

EXHIBIT A

NOTES

- 1. ALL DISTANCES SHOWN HEREON ARE HORIZONTAL GRID DISTANCES, A PROJECT SCALE FACTOR (PSF) OF 0.99979557 WAS ESTABLISHED FOR THIS PROJECT. TO OBTAIN GROUND DISTANCE, DIVIDE THE DISTANCE SHOWN BY THE PSF.
- 2. AREAS DETERMINED BY COORDINATE METHOD.
- 3. AREAS SHOWN ARE SUBJECT TO EASEMENT OF RECORD.
- 4. RECORD REFERENCES: DEED BOOK 1540, PAGE 1361
- 5. PARCEL ID: 146731
- 6. PROPERTY LINES SHOWN ARE BASED ON EXISTING DEEDS, PLATS AND VISIBLE MONUMENTATION DISCOVERED ALONG PROJECT AREA.
- 7. THIS SURVEY IS REFERENCED TO UTM ZONE 17 N NAD 83 (2011).
- 8. ALL CORNERS ARE AS NOTED.
- 9. THIS PLAT IS FOR EASEMENT ACQUISITION PURPOSES ONLY AND IS NOT TO BE CONSIDERED A BOUNDARY SURVEY OF THE PARENT TRACT.
- 10. TEMPORARY EASEMENT TO BE ACQUIRED.



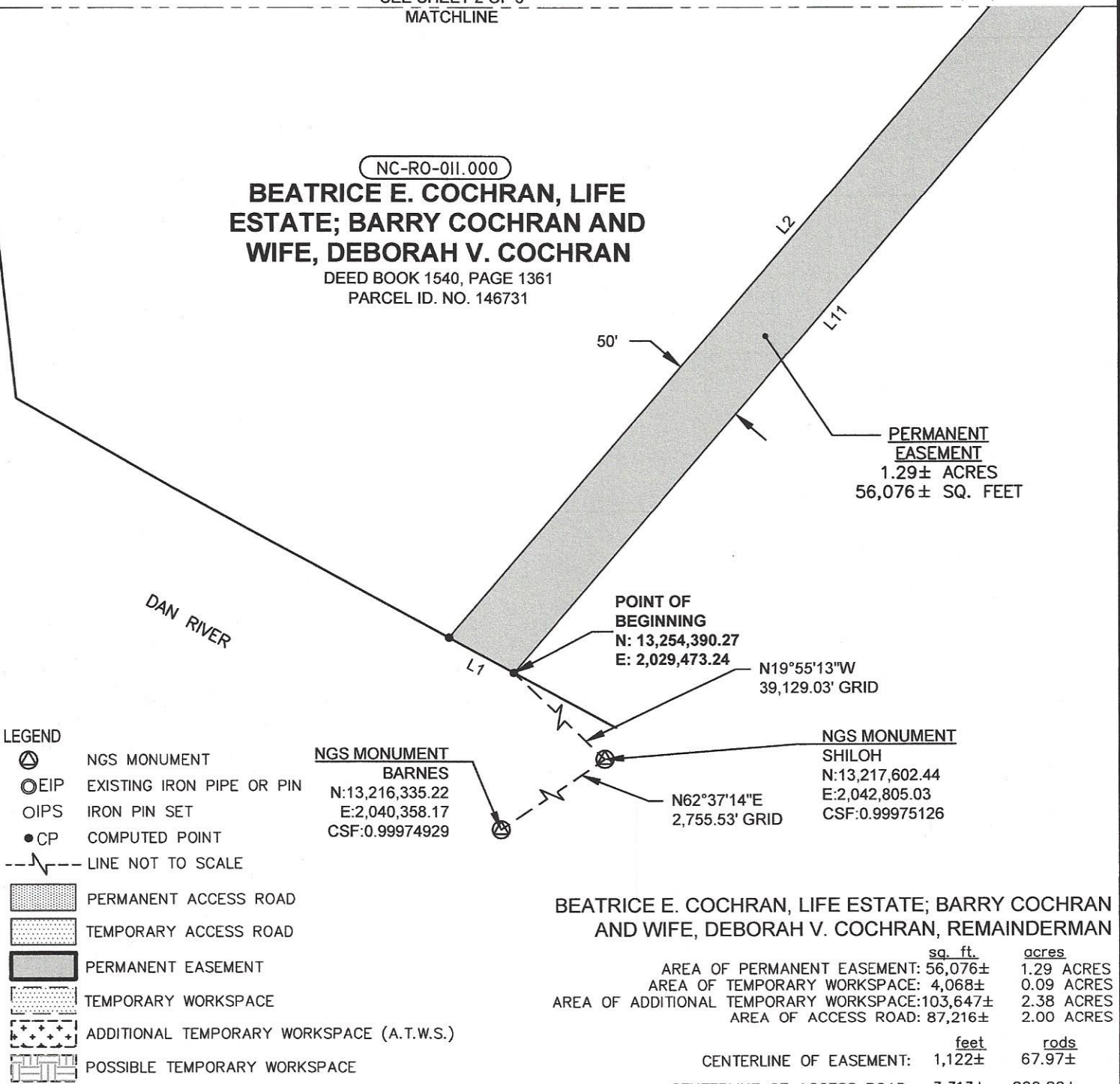
SEE SHEET 2 OF 6
MATCHLINE

VICINITY MAP (NTS)

NC-RO-011.000

**BEATRICE E. COCHRAN, LIFE
ESTATE; BARRY COCHRAN AND
WIFE, DEBORAH V. COCHRAN**

DEED BOOK 1540, PAGE 1361
PARCEL ID. NO. 146731



**BEATRICE E. COCHRAN, LIFE ESTATE; BARRY COCHRAN
AND WIFE, DEBORAH V. COCHRAN, REMAINDERMAN**

	sq. ft.	acres
AREA OF PERMANENT EASEMENT:	56,076±	1.29 ACRES
AREA OF TEMPORARY WORKSPACE:	4,068±	0.09 ACRES
AREA OF ADDITIONAL TEMPORARY WORKSPACE:	103,647±	2.38 ACRES
AREA OF ACCESS ROAD:	87,216±	2.00 ACRES
CENTERLINE OF EASEMENT:	1,122± feet	67.97± rods
CENTERLINE OF ACCESS ROAD:	3,313± feet	200.82± rods

I, Thomas Warner Kimmel, certify that this plat is of a PERMANENT EASEMENT for a public utility as defined in GS 62-3; that this plat was drawn under my supervision from an actual survey performed under my supervision (deed description recorded in deed book 1540, page 1361); that the ratio of precision as calculated is 1:10,000±; that the Global Positioning System (GPS) observations were performed to the Geospatial Positioning Accuracy Standards, Part 2: Standards for Geodetic Networks at the Class "A" accuracy classification (95% confidence) using RTK/VRS networks and traditional traverses.

That this plat meets the requirements of G.S. 47-30 section (f)(11)(c).

This 3rd day of September, 2020

THOMAS WARNER KIMMEL, PLS L 3674

LAND
OWNER
INITIALS: _____

DATE: _____

TRC ENGINEERS, INC
2200 LIBERTY AVENUE,
SUITE 100
PITTSBURGH, PA 15222
PH: (724) 749-8572 tkimmel@trcsolutions.com
NC CORPORATE LICENSE No. F-0591



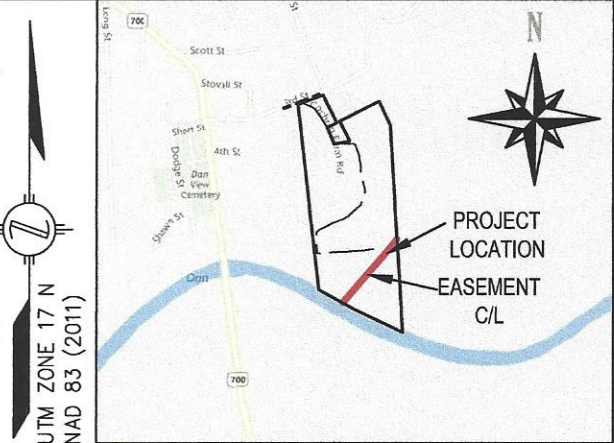
SEE SHEET 6 OF 6 FOR LINE TABLES.

EASEMENT SURVEY FOR MVP SOUTHGATE TOWNSHIP OF LEAKSVILLE ROCKINGHAM COUNTY, NORTH CAROLINA				
PIPELINE EASEMENT IN PROPERTY OF BEATRICE E. COCHRAN, LIFE ESTATE; BARRY COCHRAN AND WIFE, DEBORAH V. COCHRAN NC-RO-011.000 DEED BOOK 1540, PAGE 1361				
NC-RO-011.000				
Drawn By:	JCL	Chk'd By:	DD	App'd By:
Drawn Date:	10/26/18	DD	Scale:	1"=100'
100 50 0 100		GRAPHIC SCALE IN FEET		
REVISIONS				
B	2/1/19	DJB	REVISED ATWS/ROADS	DD
C	6/26/19	TCM	UPDATED AR/ATWS	DD
1	8/13/20	MSF	GENERAL REVISIONS	TWK
No.	Date	Rev By	Description	Checked

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10. TEMPORARY EASEMENT TO BE ACQUIRED.

EXHIBIT A

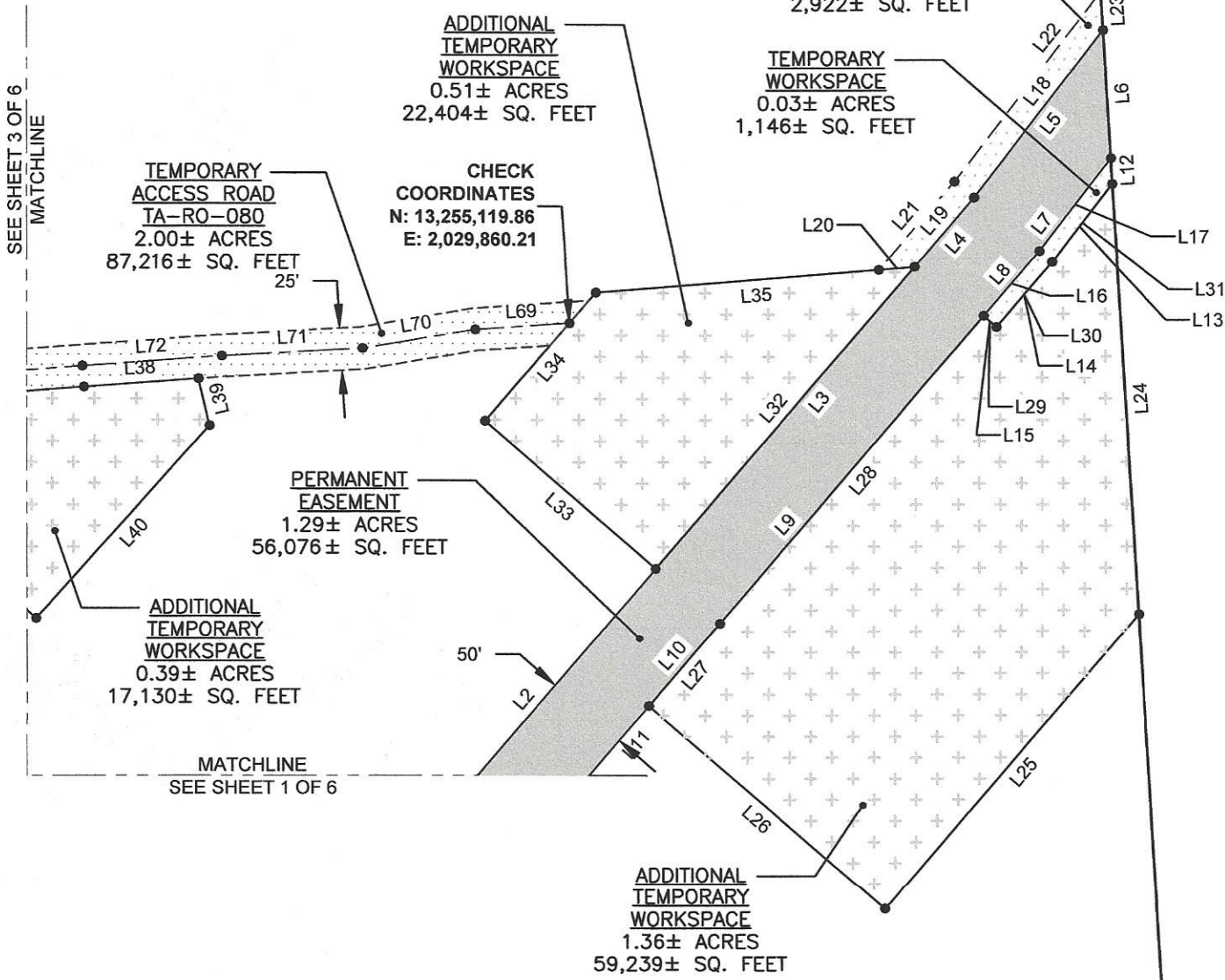


VICINITY MAP (NTS)

NC-RO-011.000
BEATRICE E. COCHRAN, LIFE ESTATE; BARRY COCHRAN AND WIFE, DEBORAH V. COCHRAN

DEED BOOK 1540, PAGE 1361
PARCEL ID. NO. 146731

NC-RO-007.000
N/F
BARRY S. FRANK
DEED BOOK 1484,
PAGE 35

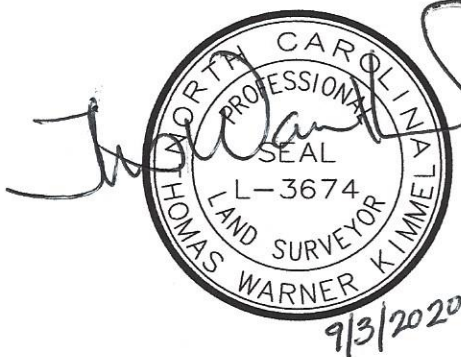


SEE SHEET 6 OF 6 FOR LINE TABLES.

LEGEND

- NGS MONUMENT
- EIP EXISTING IRON PIPE OR PIN
- OIPS IRON PIN SET
- CP COMPUTED POINT
- LINE NOT TO SCALE
- PERMANENT ACCESS ROAD
- TEMPORARY ACCESS ROAD
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE (A.T.W.S.)
- POSSIBLE TEMPORARY WORKSPACE

SEE SHEET 1 FOR THE LAND SURVEYOR'S CERTIFICATION.



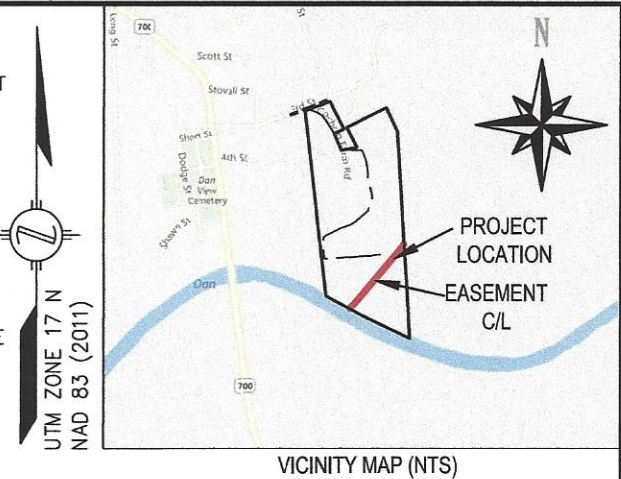
LAND OWNER INITIALS: _____
DATE: _____

EASEMENT SURVEY FOR MVP SOUTHGATE TOWNSHIP OF LEAKSVILLE ROCKINGHAM COUNTY, NORTH CAROLINA				
PIPELINE EASEMENT IN PROPERTY OF BEATRICE E. COCHRAN, LIFE ESTATE; BARRY COCHRAN AND WIFE, DEBORAH V. COCHRAN NC-RO-011.000 DEED BOOK 1540, PAGE 1361				
NC-RO-011.000				
Drawn By: JCL	Chk'd By: DD	App'd By: TWK	TRC Proj. No. 300423	Scale: 1"=100'
Drawn Date: 10/26/18			Sheet: 2 OF 6	MVP Proj. No.
100 50 0 100 GRAPHIC SCALE IN FEET				
REVISIONS				
B	2/1/19	DJB	REVISED ATWS/ROADS	DD
C	6/26/19	TCM	UPDATED AR/ATWS	DD
1	8/13/20	MSF	GENERAL REVISIONS	TWK
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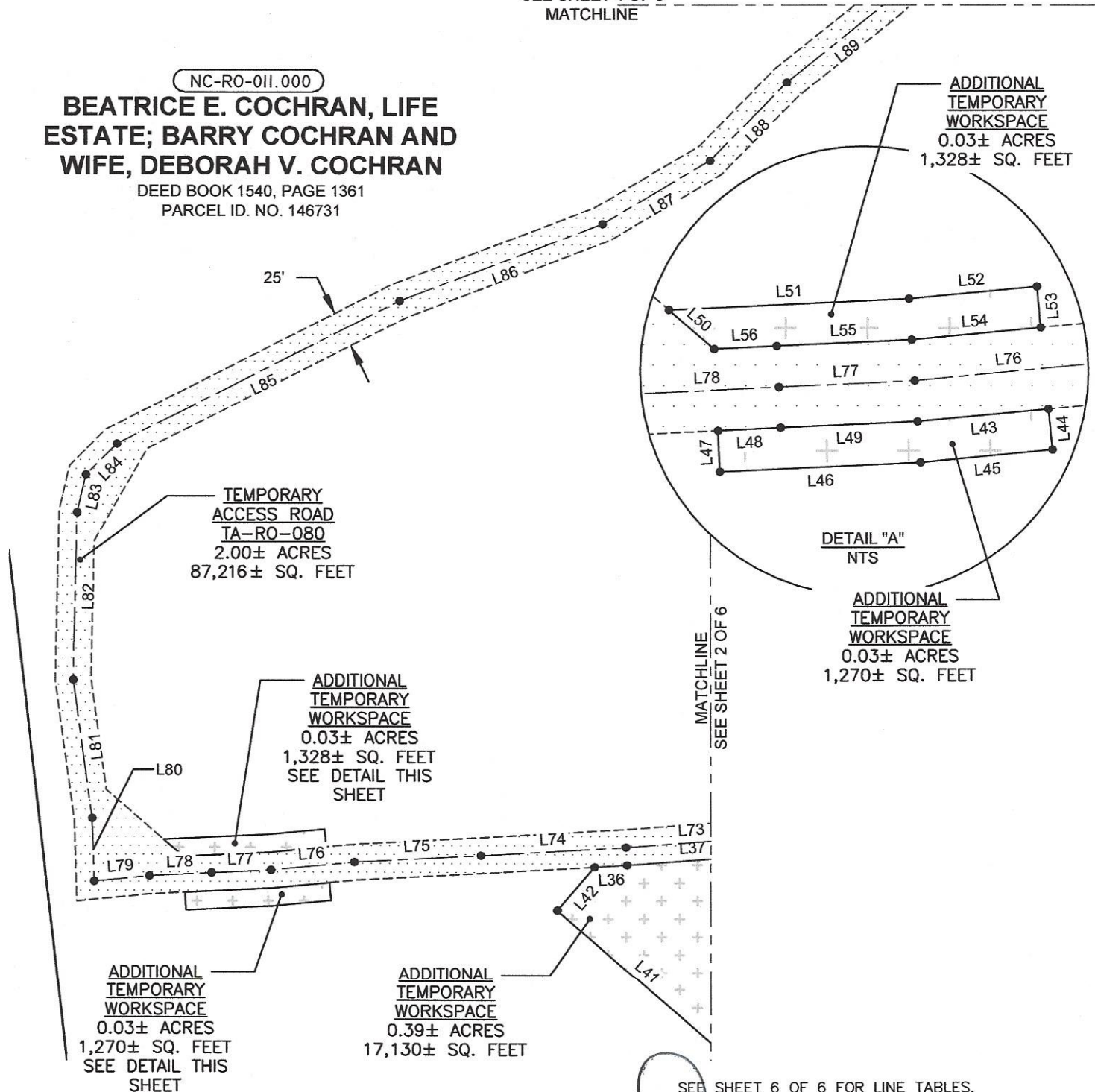
EXHIBIT A



VICINITY MAP (NTS)

SEE SHEET 4 OF 6
MATCHLINE

NC-RO-011.000
**BEATRICE E. COCHRAN, LIFE
ESTATE; BARRY COCHRAN AND
WIFE, DEBORAH V. COCHRAN**
DEED BOOK 1540, PAGE 1361
PARCEL ID. NO. 146731



LEGEND

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- LINE NOT TO SCALE
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LAND
OWNER
INITIALS: _____
DATE: _____

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NC-RO-011.000				
Drawn By: JCL	Chk'd By: DD	App'd By: TWK	TRC Proj. No. 300423 Scale: 1"=100' MVP Proj. No. 3 OF 6	
Drawn Date: 10/26/18	GRAPHIC SCALE IN FEET 100 50 0 100			
REVISIONS				
B	2/1/19	DJB	REVISED ATWS/ROADS	DD
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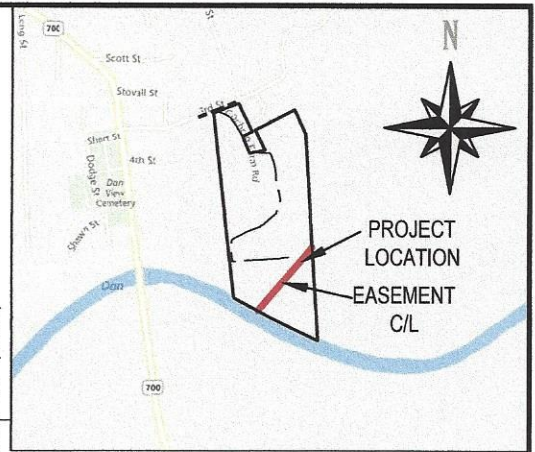
SEE SHEET 1 FOR THE LAND SURVEYOR'S CERTIFICATION.

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EXHIBIT A

UTM ZONE 17 N
NAD 83 (2011)



VICINITY MAP (NTS)

SEE SHEET 5 OF 6
MATCHLINE

ADDITIONAL
TEMPORARY
WORKSPACE
0.02± ACRES
977± SQ. FEET
SEE DETAIL
THIS PAGE

ADDITIONAL
TEMPORARY
WORKSPACE
0.03± ACRES
1,299± SQ. FEET
SEE DETAIL
THIS PAGE

ADDITIONAL
TEMPORARY
WORKSPACE
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NC-RO-011.000
**BEATRICE E. COCHRAN, LIFE
ESTATE; BARRY COCHRAN AND
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DEED BOOK 1540, PAGE 1361
PARCEL ID. NO. 146731

TEMPORARY
ACCESS ROAD
TA-RO-080
2.00± ACRES
87,216± SQ. FEET

MATCHLINE
SEE SHEET 3 OF 6

ADDITIONAL
TEMPORARY
WORKSPACE
0.02± ACRES
977± SQ. FEET

DETAIL "A"
NTS

SEE SHEET 6 OF 6 FOR LINE TABLES.

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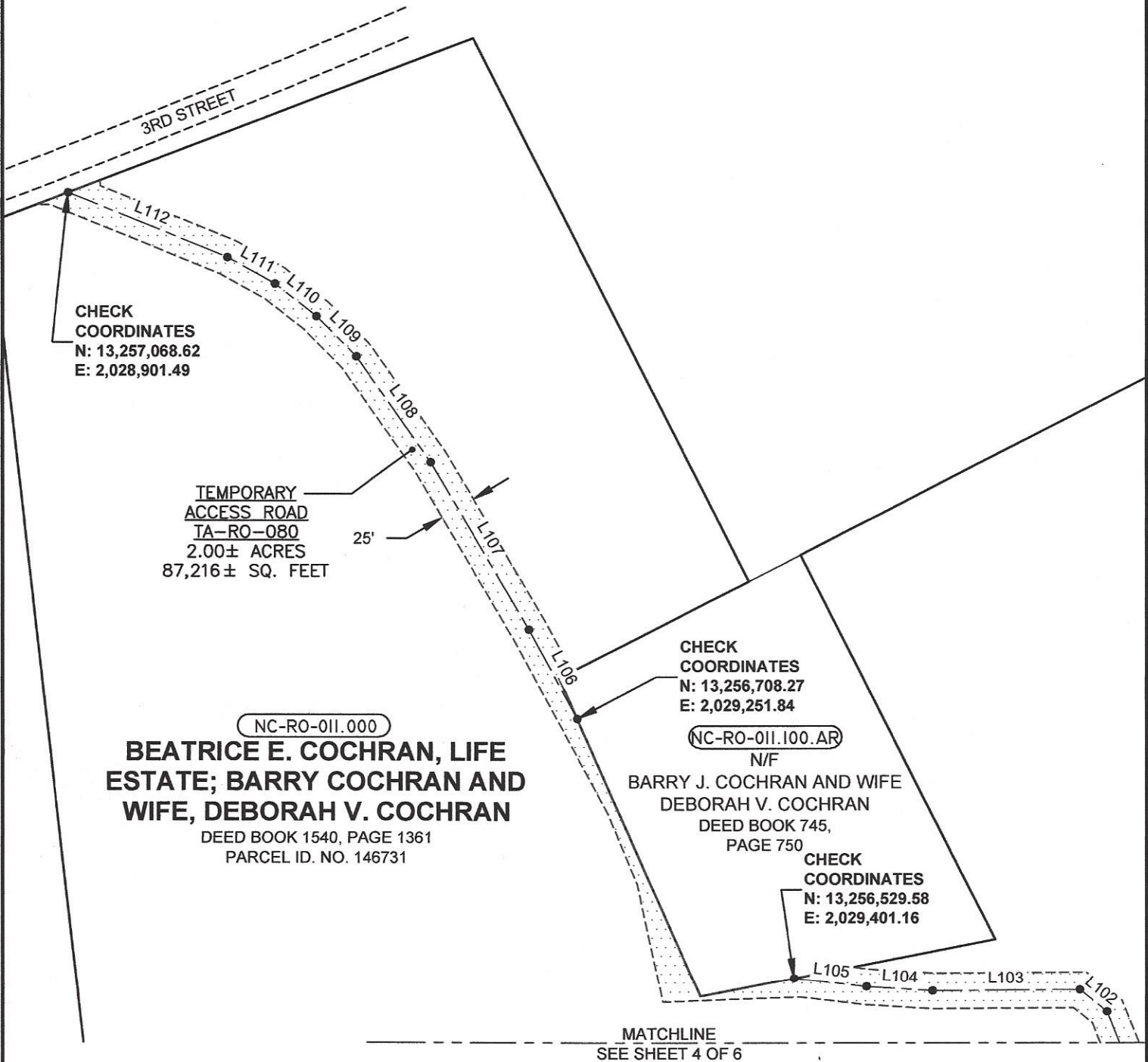
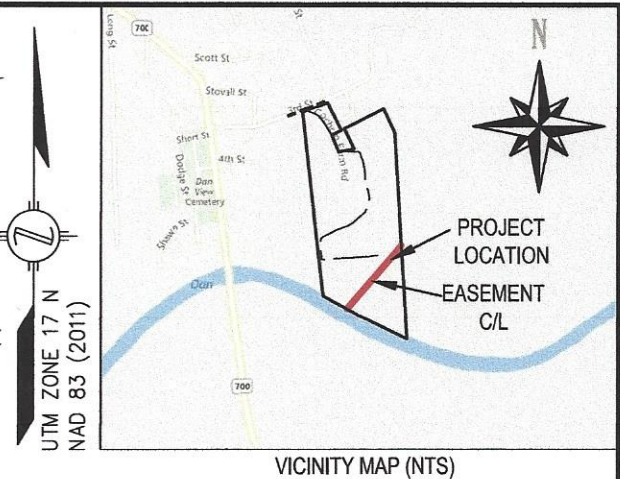
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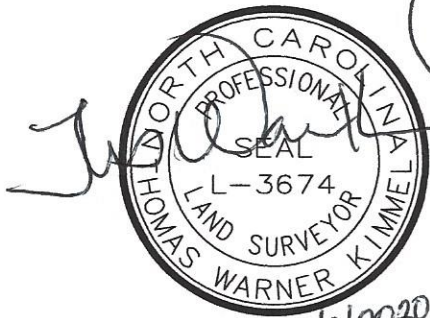
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LAND OWNER INITIALS: _____
DATE: _____

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SEE SHEET 6 OF 6 FOR LINE TABLES.

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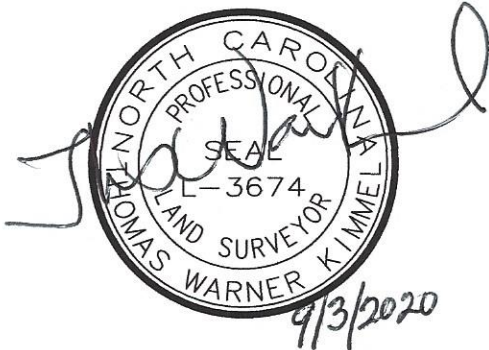
PERMANENT EASEMENT		
LINE TABLE		
LINE	BEARING	DISTANCE
L1	N61°33'06"W	51.18'
L2	N40°45'56"E	739.55'
L3	N40°45'56"E	235.61'
L4	N40°45'55"E	53.91'
L5	N37°43'17"E	125.14'
L6	S03°29'06"E	75.90'
L7	S37°43'17"W	69.37'
L8	S40°45'55"W	50.66'
L9	S40°45'56"W	239.92'
L10	S40°45'56"W	64.63'
L11	S40°45'56"W	664.26'

TEMPORARY WORKSPACE		
LINE TABLE		
LINE	BEARING	DISTANCE
L12	S03°29'06"E	15.18'
L13	S37°43'18"W	58.21'
L14	S40°45'54"W	50.93'
L15	N49°14'01"W	10.00'
L16	N40°45'55"E	50.66'
L17	N37°43'17"E	69.37'
L18	S37°43'17"W	125.14'
L19	S40°45'55"W	53.91'
L20	S85°21'42"W	21.36'
L21	N40°45'56"E	68.73'
L22	N37°43'17"E	141.87'
L23	S03°29'06"E	22.77'

ADDITIONAL TEMPORARY WORKSPACE		
LINE TABLE		
LINE	BEARING	DISTANCE
L24	S03°29'06"E	255.22'
L25	S40°45'56"W	230.80'
L26	N49°14'05"W	185.00'
L27	N40°45'56"E	64.63'
L28	N40°45'56"E	239.92'
L29	S49°14'01"E	10.00'
L30	N40°45'54"E	50.93'
L31	N37°43'18"E	58.21'
L32	S40°45'56"W	235.61'
L33	N49°14'04"W	133.54'
L34	N40°56'19"E	100.48'
L35	N85°21'41"E	189.77'
L36	N86°46'03"E	22.69'
L37	N85°46'04"E	93.46'
L38	N85°54'09"E	68.28'
L39	S13°07'07"E	28.35'
L40	S42°11'40"W	153.61'
L41	N49°03'41"W	150.00'
L42	N40°56'20"E	39.81'
L43	N84°35'07"E	40.17'
L44	S05°24'53"E	12.50'
L45	S84°35'07"W	40.48'
L46	S87°22'54"W	61.35'
L47	N02°37'06"W	12.50'
L48	N87°17'46"E	19.20'
L49	N87°25'15"E	41.85'
L50	N49°17'00"W	18.21'
L51	N87°22'54"E	73.38'
L52	N84°35'07"E	39.26'
L53	S05°24'53"E	12.50'
L54	S84°35'07"W	39.56'
L55	S87°25'17"W	41.25'
L56	S87°17'45"W	19.19'
L57	S14°31'56"E	25.26'
L58	S75°28'04"W	12.50'
L59	N14°31'56"W	24.47'
L60	N21°47'33"W	52.92'
L61	N68°12'27"E	12.50'
L62	S21°47'34"E	53.72'
L63	N21°47'34"W	76.28'
L64	N68°12'26"E	12.50'
L65	S21°47'34"E	77.07'
L66	S14°31'56"E	27.64'
L67	S75°28'04"W	12.50'
L68	N14°31'56"W	26.85'

TEMPORARY ACCESS ROAD		
LINE TABLE		
LINE	BEARING	DISTANCE
L69	S86°02'37"W	56.09'
L70	S80°31'32"W	67.84'
L71	S86°54'04"W	83.56'
L72	S85°54'09"W	83.01'
L73	S85°46'04"W	93.36'
L74	S86°46'03"W	101.49'
L75	S86°55'46"W	88.62'
L76	S84°35'07"W	58.48'
L77	S87°25'17"W	41.54'
L78	S87°17'45"W	43.54'
L79	S84°28'46"W	38.83'
L80	N01°44'24"W	43.87'
L81	N07°46'53"W	97.82'
L82	N01°23'48"E	116.19'
L83	N13°12'30"E	27.17'
L84	N45°25'57"E	30.45'
L85	N63°14'15"E	221.21'
L86	N69°12'02"E	151.87'
L87	N59°28'18"E	87.29'
L88	N44°30'58"E	76.45'
L89	N51°30'01"E	94.01'

TEMPORARY ACCESS ROAD		
L90	N44°40'11"E	30.91'
L91	N23°35'52"E	38.70'
L92	N11°10'59"E	67.42'
L93	N21°36'58"E	68.82'
L94	N36°59'57"E	21.52'
L95	N11°14'12"W	47.48'
L96	N14°40'35"W	142.50'
L97	N11°49'22"W	67.53'
L98	N02°43'30"W	101.62'
L99	N09°16'40"W	130.32'
L100	N14°31'56"W	38.86'
L101	N21°47'34"W	111.78'
L102	N51°15'47"W	24.24'
L103	S89°38'09"W	101.48'
L104	N86°21'27"W	45.60'
L105	N83°15'47"W	49.95'
L106	N28°28'17"W	69.72'
L107	N30°35'01"W	132.90'
L108	N35°13'04"W	88.87'
L109	N44°53'10"W	38.80'
L110	N51°57'57"W	36.23'
L111	N61°14'48"W	37.43'
L112	N68°00'30"W	118.11'



LAND OWNER INITIALS: _____
DATE: _____

SEE SHEETS 1-5 OF 6 FOR GRAPHICS AND LABELS.

EASEMENT SURVEY FOR MVP SOUTHGATE TOWNSHIP OF LEAKSVILLE ROCKINGHAM COUNTY, NORTH CAROLINA				
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